

Amendments to the Specification:

Please insert the following paragraph before line 2:

This application is the U.S. national stage application of International Application PCT/IB2003/006480, filed October 20, 2003, which international application was published on May 13, 2004, as International Publication WO2004/040617 in the English language. The International Application claims the benefit of U.K. Application No. GB0224300.4, filed October 20, 2002. This application is a continuation-in-part of U.S. Patent Application No. 10/508,914, which is the U.S. national stage application of International Application PCT/US03/08907, filed March 24, 2003, which international application was published on October 9, 2003, as International Publication WO03083177 in the English language. The International Application claims the benefit of U.S. Provisional Application No. 60/366,563, filed March 22, 2002, U.S. Provisional Application No. 60/366,564, filed March 22, 2002, and U.S. Provisional Application No. 60/373,508, filed April 17, 2002 . The International Application is related to co-pending U.S. Patent Application No. 10/234,498, filed 3 September 2002, which claims the benefit of U.S. Provisional Application No. 60/316,918, filed 2 September 2001. The above-mentioned patent applications are assigned to the assignee of the present application and are herein incorporated in their entirety by reference.

Please replace the paragraph at page 1, line 20 with the following amended paragraph:

In US Patent US6281514 and WO03083177,[[a]] methods for promoting the passage of electrons through a potential barrier comprising providing a potential barrier having a geometrical shape for causing de Broglie interference is disclosed. This results in the increase of tunneling through the potential barrier.